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PA-004.02715-US  
SEP 20 2007

### **REMARKS**

This paper is responsive to the Non-Final Office Action mailed on June 20, 2007.

#### **Drawing Changes**

Applicant has amended the drawings to include a reference number, here reference number 150. No new matter has been added. Accordingly, Applicant requests acceptance of the drawing change.

#### **Specification**

Applicant has amended the specification to correct a reference number as well as to add reference number 150 to "tortuous path." No new matter has been added. Therefore, Applicant requests acceptance of the amendment to the specification.

#### **Claim Objections**

The Examiner objected to claim 4 because of the absence of proper antecedent basis for "said adhesive tape." Applicant has addressed the Examiner's concern. Accordingly, claim 4 is no longer objection.

#### **Claim Rejection – 35 U.S.C. §102**

The Examiner rejected claims 1 and 5-7 under 35 U.S.C. §102(e) as being anticipated by *Mao, et al.* Applicant disagrees with the basis for this rejection. Specifically, claim 1 requires, "a securing member between said volume and said protrusion." *Mao, et al.* does not teach this feature. Specifically, there is no indication that insulator 89 secures any portion of protrusion 82a to volume 84a. Therefore, claims 1 and 5-7 are allowable over *Mao, et al.*

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PA-004.02715-US**Claim Rejection – 35 U.S.C. §103**

The Examiner further rejected claims 2-4 and 8-10 under 35 U.S.C. §103(a) as being unpatentable over *Mao, et al.* Claims 2-4 and 8-10 rely upon claim 1, which Applicant contends is allowable over *Mao, et al.* Therefore, these claims are in condition for allowance. In addition, the Examiner acknowledges that the features recited in claims 2-4 and 8-10 are not shown by *Mao, et al.* Instead, the Examiner contends that such features would have been obvious to one of ordinary skill in the art. Applicant disagrees with this assumption.

With respect to claim 2, this claim requires, "said securing member comprises an adhesive for adhering said first conductive member to said second conductive member." The Examiner contends that it would have been obvious to use adhesive tape as an insulator 89 as shown in Figure 3B. However, there is no reason set forth in the patent or otherwise to suggest replacing insulator 89 with an adhesive tape. Indeed, there is also no indication that the adhesive materials recited by *Mao, et al.* would, in fact, work as an insulator, especially if they are liquefied thereby altering their solid state structure.

With respect to claim 3, this claim requires, "said adhesive comprises an adhesive tape having a liquid state and a solid state, said volume for receiving said adhesive tape in said liquid state." The volume shown in *Mao, et al.* is sufficient for receiving insulator 89 in solid state. There is no teaching in *Mao, et al.* that the volume shown is sufficient for receiving the adhesive tape in liquid state. Accordingly, this claim is in condition for allowance.

Claim 5 has been amended to recite the limitation, "said volume extends at least partially around a hole in said peripheral area." This feature is not shown by the prior art. Therefore, this claim is in condition for allowance.

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Claim 6 has been amended to recite, "said protrusion extends at least partially around a hole in said second peripheral area." This feature is not shown by the prior art. Therefore, claim 6 is in condition for allowance.

Claim 7 has been amended to recite, "wherein said protrusion comprises a first protrusion and a second protrusion, said first protrusion spaced radially from said second protrusion relative to said axis." This feature is not shown by the prior art. Therefore, claim 7 is in condition for allowance.

Claim 8 requires, "said first conductive member and said second conductive member generally comprise a cylinder having an axis, wherein one of said protrusion and said volume extends circumferentially about said axis." Applicant contends that this feature is not shown by the cited reference. Therefore, claim 8 is in condition for allowance.

Claim 9 depends upon claim 8 and is in condition for allowance for this reason alone. In addition, this claim requires, "said volume comprises a first volume and a second volume, said first volume is spaced radially from said second volume relative to said axis." The Examiner contends that the addition of another volume does not impart a patentable distinction over a reference. However, claim 9 not only recites another volume but also recites that the volume is spaced radially from the other volume relative to the axis. This feature permits the distribution of adhesive to be directed in a radial direction rather than toward the center of the cell or its periphery allowing for improved adhesion of the first conductive member to the second conductive member along their circular peripheries. Accordingly, claim 9 is in condition for allowance.

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Claim 10 requires "said volume is sized larger than said protrusion." The Examiner contends it would be obvious to oversize the volume to improve sealing or provide more room for the adhesive. However, there is no reason offered in *Mao, et al.* or any other reference for oversizing the volume relative to the protrusion. In addition, making the volume larger than the protrusion would have the effect of decreasing the protrusion to volume surface contact thereby potentially affecting sealing and/or adhesion in a negative way. Therefore, claim 10 is in condition for allowance.

In addition, Applicant has added new claims 21-24 that claim features not shown by *Mao, et al.* Claim 21 requires, "a tortuous path." This feature is not shown by *Mao, et al.* Therefore, this claim is in condition for allowance.

New claim 22 requires, "another volume spaced from said volume, said volume extending transversely relative to said another volume." Again, this feature is not shown by *Mao, et al.* Therefore, claim 22 is in condition for allowance.

Claim 23 requires, "another protrusion spaced from said protrusion, said protrusion extending transversely relative to said another protrusion." Again, this feature is not shown by *Mao, et al.* Therefore, this claim is in condition for allowance.

Claim 24 requires, "said volume is sized to accommodate said securing member when in a liquid state." Again, this feature is not shown by *Mao, et al.* Therefore, this claim is in condition for allowance.

Applicant believes that additional fees in the amount of \$200.00 are required for four claims in excess of twenty. The Commissioner is authorized to charge Deposit Account No. 08-0385 in

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the name of Hamilton Sundstrand in the amount of \$200.00. The Commissioner is authorized to charge Deposit Account No. 08-0385 in the name of Hamilton Sundstrand for any additional fees or credit the account for any overpayment.

Respectfully submitted,

CARLSON, GASKEY &amp; OLDS

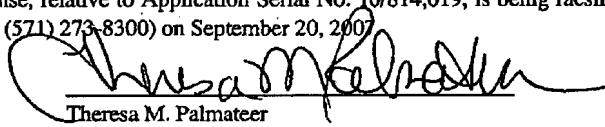
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Dated: September 20, 2007

**CERTIFICATE OF FACSIMILE**

I hereby certify that this Response, relative to Application Serial No. 10/814,019, is being facsimile transmitted to the Patent and Trademark Office (Fax No. (571) 273-8300) on September 20, 2007.

  
Theresa M. Palmateer

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